



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/767,869

DATE: 09/21/2004
TIME: 15:51:21

Input Set : A:\66797-397.txt
Output Set: N:\CRF4\09212004\J767869.raw

SEQUENCE LISTING

2 (1) GENERAL INFORMATION:

4 (i) APPLICANT: HUSE, WILLIAM D.

8 (ii) TITLE OF INVENTION: SURFACE EXPRESSION LIBRARIES OF
9 HETEROMERIC RECEPTORS

13 (iii) NUMBER OF SEQUENCES: 76

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: McDermott Will & Emery

16 (B) STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700

17 (C) CITY: SAN DIEGO

18 (D) STATE: CALIFORNIA

19 (E) COUNTRY: UNITED STATES

20 (F) ZIP: 92122

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

28 (vi) CURRENT APPLICATION DATA:

29 (A) APPLICATION NUMBER: US/10/767,869

30 (B) FILING DATE: 28-Jan-2004

31 (C) CLASSIFICATION:

33 (viii) ATTORNEY/AGENT INFORMATION:

34 (A) NAME: Gay, David A.

35 (B) REGISTRATION NUMBER: 39,200

36 (C) REFERENCE/DOCKET NUMBER: 66797-397

39 (ix) TELECOMMUNICATION INFORMATION:

40 (A) TELEPHONE: 619-535-9001

41 (B) TELEFAX: 619-535-8949

44 (2) INFORMATION FOR SEQ ID NO: 1:

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 7445 base pairs

49 (B) TYPE: nucleic acid

50 (C) STRANDEDNESS: both

51 (D) TOPOLOGY: circular

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

58 AATGCTACTA CTATTAGTAG AATTGATGCC ACCTTTCAAG CTCGCGCCCC AAATGAAAAT	60
59 ATAGCTAAC AGGTTATTGA CCATTTGCGA AATGTATCTA ATGGTCAAAC TAAATCTACT	120
60 CGTTCGCAGA ATTGGGAATC AACTGTTACA TGGAATGAAA CTTCCAGACA CCGTACTTTA	180
61 GTTGCATATT TAAAACATGT TGAGCTACAG CACCAGATTC AGCAATTAAG CTCTAAGCCA	240
62 TCTGCAAAAA TGACCTCTTA TCAAAAGGAG CAATTAAGG TACTCTCTAA TCCTGACCTG	300
63 TTGGAGTTG CTTCCGGTCT GGTCGCTTT GAAGCTCGAA TTAAAACGCG ATATTGAAAG	360
64 TCTTCGGGC TTCCTCTTAA TCTTTTGAT GCAATCCGCT TTGCTTCTGA CTATAATAGT	420

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65	CAGGGTAAAG ACCTGATTT TGATTATGG TCATTCTCGT TTTCTGAAC	480
66	TTTGAGGGGG ATTCAATGAA TATTTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT	540
67	AAACATTTTA CTATTACCCC CTCTGGCAA ACTTCTTTG CAAAAGCCTC TCGCTATT	600
68	GGTTTTATC GTCGTCTGGT AAACGAGGGT TATGATAGTG TTGCTCTAC TATGCCTCGT	660
69	AATTCCCTTT GGCGTTATGT ATCTGCATTA GTTGAATGTG GTATTCCCAA ATCTCAACTG	720
70	ATGAATCTTT CTACCTGTAA TAATGTTGTT CGGTTAGTTC GTTTTATTAA CGTAGATT	780
71	TCTTCCCAAC GTCCTGACTG GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA	840
72	CAATGATTAA AGTTGAAATT AAACCCTCTC AAGCCCAATT TACTACTCGT TCTGGTGT	900
73	CTCGTCAGGG CAAGCCTTAT TCACTGAATG AGCAGCTTG TTACGTTGAT TTGGGTAATG	960
74	AATATCCGGT TCTTGTCAAG ATTACTCTTG ATGAAGGTCA GCCAGCCTAT GCGCCTGGTC	1020
75	TGTACACCGT TCATCTGTCC TCTTCAAAG TTGGTCAGTT CGGTTCCCTT ATGATTGACC	1080
76	GTCTGCGCCT CGTTCCGGCT AAGTAACATG GAGCAGGTG CGGATTTGCA CACAATTAT	1140
77	CAGGCGATGA TACAAATCTC CGTTGACTT TGTTTCGCGC TTGGTATAAT CGCTGGGGT	1200
78	CAAAGATGAG TGTTTTAGTG TATTCTTCG CCTCTTCGT TTTAGGTTGG TGCCCTCGTA	1260
79	GTGGCATTAC GTATTTTAC CGTTAATGG AAACCTCCTC ATGAAAAAGT CTTTAGTCCT	1320
80	CAAAGCCTCT GTAGCCGTTG CTACCCCTCGT TCCGATGCTG TCTTCGCTG CTGAGGGTGA	1380
81	CGATCCCGCA AAAGCGGCCCT TTAACCTCCCT GCAAGCCTCA GCGACCGAAT ATATCGGTTA	1440
82	TGCGTGGCG ATGGTTGTTG TCATTGTCGG CGCAACTATC GGTATCAAGC TGTTTAAGAA	1500
83	ATTCACCTCG AAAGCAAGCT GATAAACCGA TACAATTAAA GGCTCCTTT GGAGCCTTT	1560
84	TTTTGGAGA TTTTCAACGT GAAAAAAATT TAATTGCAA TTCCCTTAGT TGTTCCCTTC	1620
85	TATTCTCACT CCGCTGAAAC TGTTGAAAGT TGTTTAGCAA AACCCCATAC AGAAAATTCA	1680
86	TTTACTAACG TCTGGAAAGA CGACAAAAC TTAGATCGTT ACGCTAACTA TGAGGGTTGT	1740
87	CTGTGAATG CTACAGGCGT TGAGTTTGT ACTGGTGACG AAACCTCAGTG TTACGGTACA	1800
88	TGGGTTCCCTA TTGGGCTTGC TATCCCTGAA ATGAGGGTG GTGGCTCTGA GGGTGGCGGT	1860
89	TCTGAGGGTG GCGGTTCTGA GGGTGGCGGT ACTAAACCTC CTGAGTACGG TGATACACCT	1920
90	ATTCCGGGCT ATACTTATAT CAACCCCTCTC GACGGCACTT ATCCGCTGG TACTGAGCAA	1980
91	AACCCCGCTA ATCCTAATCC TTCTCTTGAG GAGTCTCAGC CTCTTAATAC TTTCATGTT	2040
92	CAGAATAATA GGTTCCGAAA TAGGCAGGGG GCATTAACGT TTTATACGGG CACTGTTACT	2100
93	CAAGGCACTG ACCCCGTTAA AACTTATTAC CAGTACACTC CTGTATCATC AAAAGCCATG	2160
94	TATGACGCTT ACTGGAACGG TAAATTCAA GACTGCGCTT TCCATTCTGG CTTTAATGAA	2220
95	GATCCATTGCTTGTGAA TCAAGGCCAA TCGTCTGACC TGCCCTCAACC TCCGTCAAT	2280
96	GCTGGCGGCG GCTCTGGTGG TGGTTCTGGT GGCGGCTCTG AGGGTGGTGG CTCTGAGGGT	2340
97	GGCGGTTCTG AGGGTGGCGG CTCTGAGGGG GGCGGTTCCG GTGGTGGCTC TGGTTCCGGT	2400
98	GATTTGATT ATGAAAAGAT GGCAAACGCT AATAAGGGG CTATGACCGA AAATGCCGAT	2460
99	AAAAACGCGC TACAGTCTGA CGCTAAAGGC AAACCTTGATT CTGTCGCTAC TGATTACGGT	2520
100	GCTGCTATCG ATGGTTTCAT TGGTGACGTT TCCGGCCTTG CTAATGGTAA TGGTGCTACT	2580
101	GGTGATTTTG CTGGCTCTAA TTCCCAAATG GCTCAAGTCG GTGACGGTGA TAATTCACCT	2640
102	TTAATGAATA ATTTCCGTCAT ATATTTCACCT TCCCTCCCTC AATCGGTTGA ATGTCGCCCT	2700
103	TTTGTCTTTA GCGCTGGTAA ACCATATGAA TTTTCTATTG ATTGTGACAA AATAAAACTTA	2760
104	TTCCGTGGTG TCTTTGCGTT TCTTTTATAT GTGCCACCT TTATGTATGT ATTTTCTACG	2820
105	TTTGCTAACAA TACTGCGTAA TAAGGAGTCT TAATCATGCC AGTCTTTTG GGTATTCCGT	2880
106	TATTATTGCG TTTCTCGGT TCCCTCTGG TAACCTTGTT CGGCTATCTG CTTACTTTTC	2940
107	TTAAAAAAAGGG CTTCGGTAAG ATAGCTATTG CTATTTCATT GTTCTTGCT CTTATTATTG	3000
108	GGCTTAACTC AATTCTTGTG GGTTATCTCT CTGATATTAG CGCTCAATTAA CCCTCTGACT	3060
109	TTGTCAGGG TGTCAGTTA ATTCTCCCGT CTAATGGCCT TCCCTGTTT TATGTTATT	3120
110	TCTCTGTAAA GGCTGCTATT TTCATTTTG ACGTTAAACA AAAAATCGTT TCTTATTG	3180
111	ATTGGGATAAA ATAATATGGC TGTTTATTAA GTAACTGGCA AATTAGGCTC TGGAAAGACG	3240
112	CTCGTTAGCG TTGGTAAAGAT TCAGGATAAA ATTGTAGCTG GGTGCAAAT AGCAACTAAT	3300
113	CTTGATTTAA GGCTTCAAAA CCTCCCGCAA GTCGGGAGGT TCGCTAAAAC GCCTCGCGTT	3360

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114	CTTAGAATAAC	CGGATAAGCC	TTCTATATCT	GATTGCTTG	CTATTGGCG	CGGTAATGAT	3420
115	TCCTACGATG	AAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTCGCGGTAC	TTGGTTAAC	3480
116	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540
117	AAATTAGGAT	GGGATATTAT	TTTCTTGT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
118	CGTTCTGCAT	TAGCTGAACA	TGTTGTTAT	TGTCGTCGTC	TGGACAGAA	TACTTACCT	3660
119	TTTGTGGTA	CTTTATATT	TCTTATTACT	GGCTCGAAA	TGCCCTGCCC	TAAATTACAT	3720
120	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAACCCCTA	CTGTTGAGCG	TTGGCTTAT	3780
121	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	3840
122	TCCGGTGT	TTTCTTATT	AACGCCCTAT	TTATCACACG	GTCGGTATT	CAAACATTA	3900
123	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTGA	AAAAGTTTC	ACGCCTCCTT	3960
124	TGTCTTGC	TTGGATTG	ATCAGCATT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
125	GAGGTAAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTGATA	AATTCACTAT	TGACTCTTCT	4080
126	CAGCGTCTT	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
127	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTATG	TAATGTTCC	4200
128	ATTA	AAAAAG	GTAATTCAA	TGAAATTGTT	AAATGTAATT	AAATTTGTT	4260
129	TGTTTCATCA	TCTTCTTTG	CTCAGGTAAT	TGAAATGAAT	AAATCGCCTC	TGCGCGATTT	4320
130	TGTAACCTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
131	TACTGTTACT	GTATATTCA	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTATTTC	4440
132	TGTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
133	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
134	TGATAATTCC	GCTCCTCTG	GTGGTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
135	TTTAAATT	AATAACGTT	GGCAGGAGA	TTAATACGA	GTTGTCGAAT	TGTTGTAAA	4680
136	GTCTAACT	TCTAAATCCT	CAAATGTATT	ATCTATTGAC	GGCTCTAAC	TATTAGTTGT	4740
137	TAGTGCACCT	AAAGATATT	TAGATAACCT	TCCTCAATT	CTTCTACTG	TTGATTGCCCC	4800
138	AACTGACCAG	ATATTGATTG	AGGGTTGAT	ATTGAGGTT	CAGCAAGGTG	ATGCTTAGA	4860
139	TTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920
140	CCTCACCTCT	GT	TTTATCTT	CTGCTGGT	TTCGTTCGGT	ATTTTAATG	4980
141	AGGGCTATCA	GTTCGCGAT	TAAAGACTAA	TAGCCATTCA	AAAATATTG	CTGTGCCACG	5040
142	TATTCTTACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTAT	5100
143	TACTGGTCGT	GTGACTGGT	AATCTGCCAA	TGTAATAAT	CCATTTCAGA	CGATTGAGCG	5160
144	TCAAAATGTA	GGTATTCCA	TGAGCGTTT	TCCGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
145	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTCT	ACTCAGGCAA	GTGATGTTAT	5280
146	TACTAATCAA	AGAAGTATTG	CTACAAACGGT	TAATTGCGT	GATGGACAGA	CTCTTTACT	5340
147	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
148	AATCCCTTTA	ATCGGCCTCC	TGTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
149	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGGGCGG	5520
150	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACTGCCAG	CGCCCTAGCG	CCCGCTCCCT	5580
151	TCGCTTTCTT	CCCTTCTTT	CTCGCCACGT	TCGCCGGCTT	TCCCCGTCAA	GCTCTAAATC	5640
152	GGGGGCTCCC	TTTGGGTT	CGATTTAGTG	CTTACGGCA	CCTCGACCC	AAAAAAACTTG	5700
153	ATTGGGTTGA	TGGTTACGT	AGTGGGCCAT	CGCCCTGATA	GACGGTTTT	CGCCCTTGA	5760
154	CGTTGGAGTC	CACGTTCTT	AATAGTGGAC	TCTTGTTC	AACTGGAACA	ACACTCAACC	5820
155	CTATCTCGGG	CTATTCTTT	GATTTATAAG	GGATTTG	GATTTCGGAA	CCACCATCAA	5880
156	ACAGGATT	CGCCTGCTGG	GGCAAACCG	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
157	CCAGGCCGTG	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCT	6000
158	GGCGCCCAAT	ACGCAAACCG	CCTCTCCCCG	CGCGTTGCC	GATTCAATTAA	TGCAGCTGGC	6060
159	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAA	GTGAGTTAGC	6120
160	TCACTCATTA	GGCACCCAG	GCTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
161	TTGTGAGCGG	ATAACAATT	CACACGCGTC	ACTTGGCACT	GGCCGTCGTT	TTACAACGTC	6240
162	GTGACTGGGA	AAACCCTGGC	GTTACCCAAG	CTTGTACAT	GGAGAAAATA	AAGTGAACAA	6300

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163	AAGCACTATT	GCAC TGGCAC	TCTTACCGTT	ACC GTTACTG	TTTACCCCTG	TGACAAAAGC	6360
164	CGCCCAGGTC	CAG CTGCTCG	AGTCAGGCCT	ATT GTGCCA	GGGGATTGTA	CTAGTGGATC	6420
165	CTAGGCTGAA	GGCGATGACC	CTGCTAAGGC	TGC ATTCAAT	AGTTTACAGG	CAAGTGCTAC	6480
166	TGAGTACATT	GGCTACGCTT	GGGCTATGGT	AGT AGTTATA	GTTGGTGCTA	CCATAGGGAT	6540
167	TAAATTATTC	AAAAAGTTA	CGAGCAAGGC	TTCTTAAGCA	ATAGCGAAGA	GGCCCGCACC	6600
168	GATGCCCTT	CCCAACAGTT	GCGCAGCCTG	AATGGCGAAT	GGCGCTTGC	CTGGTTTCCG	6660
169	GCACCAGAAG	CGGTGCCGGA	AAGCTGGCTG	GAGTGCATC	TTCCCTGAGGC	CGATACGGTC	6720
170	GTCGTCCCT	CAAAC TGGCA	GATGCACGGT	TACGATGCGC	CCATCTACAC	CAACGTAACC	6780
171	TATCCCATT	CGGTCAATCC	GCCGTTGTT	CCCACGGAGA	ATCCGACGGG	TTGTTACTCG	6840
172	CTCACATT	ATGTTGATGA	AAGCTGGCTA	CAGGAAGGCC	AGACGCGAAT	TATTTTGAT	6900
173	GGCGTTCCA	TTGGTTAAAA	AATGAGCTGA	TTTAACAAA	ATTTAACCGC	AATTAAACA	6960
174	AAATATTAAC	GTTTACAATT	TAAATATTG	CTTATACAAT	CTTCCTGTT	TTGGGGCTTT	7020
175	TCTGATTATC	AACCGGGGTA	CATATGATTG	ACATGCTAGT	TTTACGATTA	CCGTTCATCG	7080
176	ATTCTCTTGT	TTGCTCCAGA	CTCTCAGGCC	ATGACCTGAT	AGCCTTGTA	GATCTCTCAA	7140
177	AAATAGCTAC	CCTCTCCGGC	ATTAATTAT	CAGCTAGAAC	GGTTGAATAT	CATATTGATG	7200
178	GTGATTTGAC	TGTCTCCGGC	CTTTCTCAC	CTTTTGAATC	TTTACCTACA	CATTACTCAG	7260
179	GCATTGCATT	TAAAATATAT	GAGGGTTCTA	AAAATTTTA	TCCTTGCGTT	GAAATAAAGG	7320
180	CTTCTCCCGC	AAAAGTATT	CAGGGTCATA	ATGTTTTGG	TACAACCGAT	TTAGCTTTAT	7380
181	GCTCTGAGGC	TTTATTGCTT	AATTTGCTA	ATTCTTGCC	TTGCCTGTAT	GATTATTG	7440
182	ACGTT						7445
184	(2)	INFORMATION FOR SEQ ID NO: 2:					
185	(i)	SEQUENCE CHARACTERISTICS:					
186	(A)	LENGTH: 7317 base pairs					
187	(B)	TYPE: nucleic acid					
188	(C)	STRANDEDNESS: both					
189	(D)	TOPOLOGY: circular					
190	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 2:					
192	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTCA	CTCGCGCCCC	AAATGAAAAT	60
193	ATAGCTAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
194	CGTTCGCAGA	ATTGGAATC	AACTGTTACA	TGGAATGAA	CTTCCAGAC	CCGTACTTTA	180
195	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCA GATT	AGCAATTAA	CTCTAAGCCA	240
196	TCCGCAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG	300
197	TTGGAGTTTG	CTTCCGGTCT	GGTTGCTT	GAAGTCGAA	TTAAAACCGC	ATATTGAG	360
198	TCTTCGGGC	TTCCTCTTAA	TCTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
199	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGA	ACT GTTAAAGCA	480
200	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCAG	TATTGGACGC	TATCCAGTCT	540
201	AAACATTTTA	CTATTACCCC	CTCTGGCAA	ACTTCTTTG	CAAAGCCTC	TCGCTATTTT	600
202	GGTTTTTATC	GTCGCTCTGGT	AAACGAGGGT	TATGATAGT	TTGCTCTAC	TATGCCCTCGT	660
203	AATTCCCTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGT	GTATTCCCTAA	ATCTCAACTG	720
204	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTT	780
205	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
206	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGT	900
207	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTG	TTACGTTGAT	TTGGGTAATG	960
208	AATATCCGGT	TCTTGTCAAG	ATTACTCTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
209	TGTACACCGT	TCATCTGTCC	TCTTCAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
210	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTG	CGGATTCGA	CACAATTAT	1140
211	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTGC	TTGGTATAAT	CGCTGGGGT	1200
212	CAAAGATGAG	TGTTTTAGTG	TATTCTTCG	CCTCTTCG	TTTAGGTTGG	TGCCTTCGTA	1260
213	GTGGCATTAC	GTATTAA	CGTTAATGG	AAACTTCCTC	ATGAAAAGT	CTTGTAGTC	1320

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214	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTCGCTG	CTGAGGGTGA	1380
215	CGATCCCGCA	AAAGCCGCCT	TTAACCTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
216	TGCGTGGGCG	ATGGTTGTTG	TCATTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
217	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCCTTT	1560
218	TTTTGGAGA	TTTCAACGT	GAAAAAAATTA	TTATTGCAA	TTCCTTAGT	TGTTCCCTTC	1620
219	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	1680
220	TTTACTAACG	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
221	CTGTGGAATG	CTACAGGCCT	TGTAGTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
222	TGGGTTCCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
223	TCTGAGGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
224	ATTCCGGGCT	ATACTTATAT	CAACCCTCTC	GACGGCACTT	ATCCGCCTGG	TACTGAGCAA	1980
225	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
226	CAGAATAATA	GGTCCGAAA	TAGGCAGGGG	GCATTAACGT	TTTATACGGG	CACTGTTACT	2100
227	CAAGGCACTG	ACCCCCTTAA	AACTTATTAC	CACTACACTC	CTGTATCATC	AAAAGCCATG	2160
228	TATGACGCTT	ACTGGAACGG	TAAATTCAAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
229	GATCCATTCTG	TTTGTGAATA	TCAAGGCCA	TCGTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
230	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
231	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTCCGGT	2400
232	GATTTTGATT	ATGAAAAGAT	GGCAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
233	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTCGCTAC	TGATTACGGT	2520
234	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGTACT	2580
235	GGTGATTTG	CTGGCTCTAA	TTCCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
236	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
237	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
238	TTCCGTGGTG	TCTTTCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
239	TTTGCTAACCA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTG	GGTATTCCGT	2880
240	TATTATTGCG	TTTCCTCGGT	TTCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	2940
241	TTAAAAAAGGG	CTTCGCGTAAG	ATAGCTATTG	CTATTCATT	GTTTCTTGCT	CTTATTATTG	3000
242	GGCTTAACTC	AATTCTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
243	TTGTCAGGG	TGTTCACTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTT	TATGTTATTG	3120
244	TCTCTGTAAA	GGCTGCTATT	TTCATTTTG	ACGTTAAACA	AAAATCGTT	TCTTATTGTTG	3180
245	ATTGGGATAAA	ATAATATGGC	TGTTTATTGTT	GTAACTGGCA	AATTAGGCTC	TGGAAAGACG	3240
246	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
247	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCA	GTCGGGAGGT	TCGCTAAAAC	GCCTCGCGTT	3360
248	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTGCTTG	CTATTGGCG	CGGTAATGAT	3420
249	TCCTACGATG	AAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	3480
250	ACCCGTTCTT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTCT	ACATGCTCGT	3540
251	AAATTAGGAT	GGGATATTAT	TTTTCTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
252	CGTTCTGCAT	TAGCTGAACA	TGTTGTTAT	TGTCGTCGTC	TGGACAGAAAT	TACTTTACCT	3660
253	TTTGTGCGGT	CTTTATATTCT	TCTTATTACT	GGCTCGAAAA	TGCCTCTGCC	TAAATTACAT	3720
254	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAACCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
255	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
256	TCCGGTGTGTT	ATTCTTATTG	AAAGCCTTAT	TTATCACACG	GTCGGTATTG	CAAACCATTA	3900
257	AATTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTGAA	AAAAGTTTC	ACGCGTTCTT	3960
258	TGTCTTGCGA	TTGGATTGTC	ATCAGCATT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
259	GAGGTTAAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTGATA	AATTCACTAT	TGACTCTTCT	4080
260	CAGCGTCTTA	ATCTAACGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
261	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTCC	4200
262	ATTAATTTAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTGGTTT	TCTTGATGTT	4260

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/767,869

DATE: 09/21/2004
TIME: 15:51:22

Input Set : A:\66797-397.txt
Output Set: N:\CRF4\09212004\J767869.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:8; Line(s) 794

}

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/767,869

DATE: 09/21/2004

TIME: 15:51:22

Input Set : A:\66797-397.txt

Output Set: N:\CRF4\09212004\J767869.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]